



**A TOTAL OF 23 ITEMS HAVE BEEN SELECTED** for Y-12ers to choose their 1967 safety award from. Many household and sporting items shown above will give long service to employees, as many famous name-brands are included in the selection. Distribution cards should be in the hands of employees sometime this week.

## Y-12ers To Select Safety Awards From 23 Useful, Attractive Items

For the sixth consecutive year, Y-12's accident frequency rate was less than one! Figures released last week by the Safety Department indicate that the frequency rate for 1967 was 0.56 . . . compared to 0.79 in 1966. (Union Carbide Corporation's usual frequency rate is around 2.5 . . . industry as a whole suffers a frequency rate of around 6.5!) Frequency rate is the number of chargeable accidents per million man-hours worked.

Y-12 did sustain six lost-time injuries last year, compared to eight for the year before. Days lost reached a new three-year low as 549 days were charged off in 1967 for lost-time injuries. The severity rate dropped to an all-time low of 51.

While the on-the-job performance for Y-12 continues to look good, off-the-job mishaps continue to pile up. Last year the plant suffered five fatalities away from work. A total of 87 lost-time accidents occurred to employees away from the job, amounting to 33,289 days lost!

Meanwhile, a fine selection of 23 items has been lined up for Y-12ers to choose their 1967 safety awards from. The committee met last week and narrowed the list down to the items shown in the above photograph.

(Selection cards should be out to employees by now.)

The items include:

1. Sleeping Bag.
2. Thermal Blanket.
3. Tackle Box.
4. Disposable Step-On Can.
5. Pressure Cooker.
6. Electric Ice Crusher.
7. 1/4" Skill Drill.
8. Hair Dryer.
9. Portable Mixer.
10. First Aid Kit.

11. Electric Can Opener.
12. 35-Cup Percolator.
13. Electric Percolator.
14. 8-Transistor Radio.
15. Spinning Reel.
16. Spinning Rod.
17. Bathroom Scales.
18. Boat Seat.
19. Corning Ware Set.
20. Stainless Steel Cutlery.
21. Stainless Steel Set.
22. Sweeper.
23. 2-slice Toaster.

The awards, worth \$9 in approximate wholesale costs, cover the following periods . . . from December 2, 1966 to March 8, 1967, 2,730,581 man-hours; April 14, 1967 through August 14, 1967, 3,524,372 man-hours . . . and September 28, through December 27, for a total of 2,729,075. The respective periods carry a \$2, \$5 and \$2 worth. (New hires . . . i.e. employees who came in during 1967 . . . will be awarded awards dependent on the period in which they came to work. That is, anyone hiring in before March 8, last year, will receive the full \$9 award . . . those coming after that will have a choice of their \$7 . . . or \$2 award, depending on when they came to work.)

There were six lost-time injuries during 1967 . . . with the last one coming on December 28. The finger injury ended a long streak of accident-free days in the Materials and Services Division.

Committeemen selecting the 1967 awards included Dot Woulard, Technical Services; Stewart Taylor and S. B. Peake, Maintenance; Randall Edwards, E. Lees, and Judy Arehart, all of Oak Ridge National Laboratory departments in Y-12; Lucy Parker, Planning and Scheduling; Bill Fleischmann, Engineering; L. D. Scott, Materials and Services;

Athala Markland, Accounting and Budget; O. C. Buck and C. R. Lively, Plant Shift Superintendents and Utilities; H. L. Woodward, Industrial Relations; R. J. Mustin and G. T. Pyle, Assembly; Cleo Sideris, Development; N. A. O'Neal and J. P. Seagle, Metal Preparation; John Lay, Product Engineering; Clyde E. Nance and L. R. Chambers, Fabrication; and Lou Anfinson, Classification and Information.

In the breakdown of 1967 injuries . . . fingers again lead the list. A total of 870 injuries to fingers occurred in Y-12 last year . . . this is the total number of injuries, serious, non-serious and lost-time. Add to this 220 hands and you have over a thousand injuries to the hands and fingers for last year.

Motor vehicle accidents for the plant took a nose-dive downward last year for a frequency rate of 8.31 (the number of accidents for every 1,000,000 miles driven.)

There were 31 fires total in the plant last year, for an estimated \$2,528.50 damage, an all-time low.

Home accidents led the cause of mishaps off-the-job, last year with 46 reported. A total of 27 automobile accidents accounted for employees being off with lost-time injuries away from work.

While the 1967 record looks encouraging, Y-12ers need not be complacent about their safety performance. One injury is one too many!

Many of last year's lost-time accidents could have been prevented . . . and many more of the seriously rated injuries could have easily been prevented with some foresight.

Y-12's safe performance is more than a source of pride to employees. It means working in safe

Continued on Page 4

### 25 Years

## Tomorrow Is Union Carbide's Anniversary In Atomic Energy

Tomorrow, January 18, 1968, marks the 25th anniversary of Union Carbide Corporation's initial nuclear energy contract with the United States Government. In this connection, Dr. C. E. Larson, president of the Nuclear Division, made the following statement:

"Union Carbide is proud to have been associated with the nuclear energy program for the past 25 years, and is pleased with the performance of its Oak Ridge and Paducah employees who contributed to the accomplishment of so many major achievements.

"In the early years when our single purpose was that of weapons production, these objectives were met and in many cases surpassed. In more recent years it has been possible to fulfill the nation's defense needs for increasingly sophisticated weapons and at the same time make phenomenal progress in the application of nuclear technology to peaceful purposes.

"The dream of electrical power from nuclear sources is now a practical reality, with a large expanding nuclear power business as a significant part of today's economy. Without the numerous impressive improvements in gaseous diffusion resulting in drastic reduction in the cost of separative work and the availability of low-cost enriched uranium, today's expanding nuclear power economy would not be possible.

"Likewise, our contributions to reactor technology provided information and understandings essential to practical generation of electrical power from nuclear fuels.

"The application and utilization of nuclear technology in other areas has also created new and greater benefits. We already enjoy some of the fruits of the zonal centrifuge developments such as highly purified vaccines which are destined to save millions of lives.

"As we view the horizon ahead, we can predict a bright future for applications of nuclear and nuclear-related technology. We envision nuclear energy being used on a massive scale for raising the standing of living throughout the world. Also, the application of scientific and engineering talents to the challenges of desalination, pollution, biological problems, and the study of heretofore unavailable transuranic elements, holds great promise for a better life in the future.

"I am particularly pleased with the current integrated operation of the facilities operated by Union Carbide for the Atomic Energy Commission. This unified approach, which provides for blending of varied disciplines directed toward a common objective, is an effective answer to the complexities of modern science. With the benefit of technical interaction resulting from this effective problem-solving arrangement, I am sure we can continue to make major contributions to our country's welfare and bring many of the dreams of the future to practical realities."

### Physics' Carlson Leads Week's Seminar Friday

T. A. Carlson, Oak Ridge National Laboratory Physics Division, will lead this week's seminar. His subject will be "A Year in Stockholm — Dependence of Internal Conversion on the Chemical Environment."

The seminar is set for Friday, January 19, at 3:15 p.m. in the East Auditorium, ORNL's 4500 Building.

### Reactor-Inspection Hold Special Seminar Tomorrow

A special seminar will be held tomorrow, January 18, at 2 p.m. in the East Auditorium of ORNL's 4500 building. The Inspection Engineering Department and the Reactor Division at Oak Ridge National Laboratory are co-sponsoring the event.

B. F. Langer, consulting engineer, Westinghouse Research and Development Center, will speak on "Applied Mechanics in the Nuclear Industry: Applications of Stress Analysis."

All interested persons are invited to attend.

### Thermonuclear Cancels Tomorrow's Seminar

The Thermonuclear Division has cancelled its seminar for tomorrow. Dr. Robert L. Hirsch, director of nuclear energy and plasma physics at IIT Industrial Laboratories, Fort Wayne, Indiana, was scheduled to speak.

### SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
18 Days Or  
463,000 Man Hours  
(Unofficial Estimate)  
Through January 14  
Without a Disabling  
Injury  
Safety At Home  
At Work, At Play



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member



Appalachian  
Industrial  
Editors' Association

American Association Industrial Editors

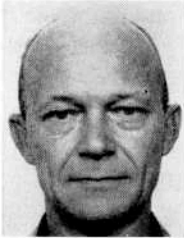
OFFICE

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Oak Ridge, Tenn. 37830  
Bldg. 9704-2 Room C-9  
Telephone 3-7100

## C. R. Cary Dies New Year's Day

The General Shop, Building 9201-1, was shocked by the death of Mr. Clarence R. Cary, January 1, in Knoxville. Mr. Cary lived with his family at Route 18, Ball Camp Pike, Knoxville.

A native of Raleigh, West Virginia, Mr. Cary worked for the Chemicals Division of Union Carbide Corporation in Institute and South Charleston from 1945 until 1952. He went to Paducah October 13, 1952, and transferred to Y-12 June 1, 1954.



C. R. Cary

The shop foreman is survived by his wife Mrs. Helen Stone Cary, two daughters Lynda Lawson, Powell; and Judith Castleberry, Jonesboro; and two sisters Mrs. Thelma C. Fitch, Owensboro, Kentucky; and Mr. Evelyn C. Johnson, Ravenswood, West Virginia.

Funeral services were held Wednesday, January 3, at Ball Road Baptist Church with the Reverend Earl Joiner officiating. Burial followed in the New Gray Cemetery, Knoxville.

Sincere sympathy is extended the Cary family.

## Credit Union Meeting Tomorrow

WHAT? Y-12 Credit Union's Annual Meeting.

WHEN? Tomorrow, Thursday, January 18, 7:30 p.m.

WHERE? Jefferson Junior High School Auditorium, Oak Ridge.

WHY? To give the general membership of the Credit Union a voice in operations.

Remember, there are two portable television sets to be given away as door prizes, and one of them is a color set! But you have to be present to win, and you have to be a member to be eligible for the drawings.

So remember tomorrow night at 7:30.

Three board members must be elected, and members will receive an annual report for the year's activities. An annual report will be mailed to all members after tomorrow's meeting.

### DON'T KNOCK IT!

Never knock love at first sight. Remember, most of us wouldn't pass a second inspection.



Mrs. Bill Eugene Beets



As 'Winter plays out her arrogant, cruel melody,' several other Y-12ers celebrate important dates with Union Carbide Corporation. Congratulations.

### 20 YEARS

William O. Thompson, General Machine Shop, January 21.

### 15 YEARS

Billy R. Pearson, Training Department, January 19.

Louise G. Scogin, Engineering Division, January 19.

Charles R. Wardell Jr., Electrical Department, January 20.

Robert D. Baker, Production Scheduling, January 21.

Aubrey G. Bryant, General Weld Shop, January 21.

Harry B. Thackston, Beta Two Shop, January 23.

Robert A. Williamson, H-1 Foundry, January 23.

### 10 YEARS

Otha L. Messer Jr., Machine Maintenance, January 20.

Fred W. Jones, Fabrications Systems Development, January 22.

Franklin P. Dickey, Civil and Architectural Engineering, January 23.



Car pool members wanted from vicinity of Louisiana, LaSalle, Oak Ridge, to Central Portal, straight day. G. J. Kidd, extension 3-7465, or E. H. Gift, extension 3-7536.

## 'Project Gasbuggy' Gets Extensive Going Over

'Project Gasbuggy' was conducted December 10, as part of a joint project by the Atomic Energy Commission, El Paso Natural Gas Company and the U. S. Department of the Interior. The purpose was to investigate the use of nuclear explosions to stimulate the economic production and ultimate recovery of natural gas from tight gas-bearing formations. Studies are now underway to determine the effectiveness of the tests. Results will not be known for months.



### BEETS—FUIS

Miss Anita Kay Fuis and Bill Eugene Beets were united in marriage Saturday, December 30, at Kern Memorial Methodist Church, Oak Ridge. The Reverend Harry Johnson, pastor of Norris Methodist Church officiated. The church was decorated with gold candelabra, white tapers and winter greens, with a sunburst arrangement and candles on the altar.

The bride is the daughter of Mr. and Mrs. Frank Fuis Jr., 52 Pine Road, Norris. (Her father is in Y-12's Mechanical Design Engineering.) The groom is the son of Mr. and Mrs. Eugene V. Beets, 800 Fowler Street, Clinton.

Given in marriage by her father, the bride wore a gown of white peau de soie with re-embroidered Alencon lace trim. The fitted Empire bodice featured a scooped neckline and long tapered sleeves. The Empire lines were also accentuated by a wide banding of lace which fell into the A-line skirt. The chapel train was attached in a coachman effect and was outlined in matching scalloped lace medallions. A cathedral length formal veil of French imported bridal illusion was sheared at the head into a soft turban effect. She carried a crescent bouquet of white carnations centered with a white orchid.

Miss Barbara Shepherd, Norris, sister of the bride, was maid-of-honor. Bridesmaids were Mrs. Robert Childress, Kingsport, Mrs. John Jones, Johnson City; and Miss Pam Patton, Chattanooga. Miss Lisa Bird, Coalfield, cousin of the groom, was junior bridesmaid. They wore green velvet trimmed with matching satin.

The groom's father was his best man, and ushers were Gary Fuis, Pasadena, California; Jeff Shepherd, Norris; both brothers of the bride; Ernest Phillips, Oak Ridge and Ronnie Wallace. Brian Fuis, brother of the bride, was junior usher.

At the reception Miss Sherry Jaynes, Morristown, kept the bride's book. Others assisting at the reception include Miss Theresa Palmer, Kingsport; Miss Kathy Marmon, Norris; Mrs. John Deering, and Miss Sherrie Graham, cousin of the groom.

The couple will live in Knoxville, where the groom is employed with the Board of Education.

## 'Midsummer Nights Dream' Try-Outs Set

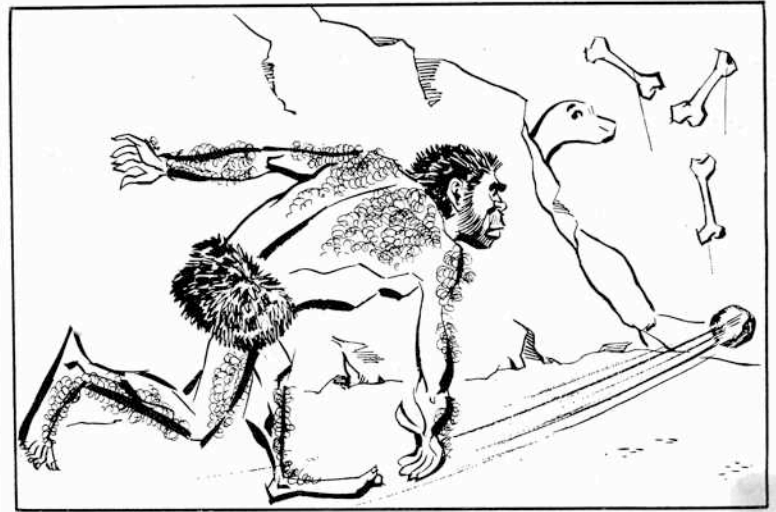
Try-outs for the Junior Playhouse production "A Midsummer Night's Dream" will be held Saturday, January 20, at 11:30 a.m. at the Playhouse in Jackson Square.

Those trying for parts must be 15 years or older and no previous stage experience is required. Rehearsals will begin in mid-February.

The production of "A Midsummer Night's Dream" is the play within a play the artisans gave for the fairy kings and queens. So, if your child has a yen to do Shakespeare in a charming and witty play full of practical jokes and laughter, don't miss tryouts on Saturday, January 20.

The play will be given March 30, and 31 at 1 and 3 p.m.

Good security provides peace of mind.



Follow through, Henry, Follow through!

## Y-12 Bowlers Choose March 2, 3 Week-End For Big Tournament For Eligible Keglers

Y-12 bowlers have selected the weekend of March 2, 3 for the big Y-12 Bowling Tournament.

In conference last week league officials selected that date, and voted on rules to govern the big play.

All Y-12 employees bowling in a sanctioned league plus those wives of employees bowling in the Mixed League who have bowled 15 games between August 15, 1967 and February 9, 1968, shall be eligible to participate in the tournament. In the event a bowler has not rolled the minimum 15 games since August 1, last year's highest league average will be used (close of 1967 season), provided also that a minimum of 15 games were bowled during the 1967 season.

Handicaps based on 70 percent of the difference of each entrant's highest league average and 200 will be used. Averages used will be the highest league average as of February 9, 1968. All averages must be certified correct by a league secretary.

Cash prizes will be awarded on a handicap basis only. Trophies will be awarded to first place winners in the scratch, handicap events, and all events. Scratch all events winner will be considered Y-12 bowling champion, for both men and women.

Teams must enter tournament with members from their team roster according to the rules of their leagues' constitution and by-laws. When any team is unable to enter the tournament due to the inability of the team to compete with five regular members of that team, it is permissible for that team to use three bowlers

who are Y-12 employees with a sanctioned league average; but the team's average must not exceed 850 scratch.

Entries will close at 4:30 p.m., Friday, February 16. The entry fee will total \$2.50 per person per event. The bowling fee is \$1.50, prize fee \$1. The entire \$1 prize fee will be returned 100 per cent in prizes. All prize money will be distributed according to ABC and WIBC requirements. All events fee, which is optional, will be 50¢ per person.

Entrants are restricted to bowling on a maximum of two teams, and the first team event rolled will be entered as the All Events score. Those in this category will note on each entry form the other team they plan to bowl with. Team captains will be responsible for noting on entry forms that a player is bowling with another team.

All Teams and Mixed Doubles will roll Saturday, March 2. Doubles and Singles will bowl Sunday, March 3, except as scheduled. Tournament bowling will be held only on these two days.

Entry blanks must be completed showing all data requested and must be submitted through the respective league secretaries. ABC and WIBC membership numbers MUST be entered at the top of the entry blank.

Entry fees must accompany the registration.

Tournament directors include C. C. Ridings, president of the C League; R. A. Huber, secretary; Tudor Boyd, president, Classic League; Roy Roberts, secretary; Charlie Gillihan, president, Mixed League, and Virginia Newby, secretary; and R. T. Cantrell.

Additional information may be obtained from Recreation, extension 3-7109.

You have until Friday, February 9, to get those 15 games in official scoring if you wish to bowl in the tournament, and lack enough games to qualify.

## Mech Engineers To Meet Tomorrow At Elks Club

The Oak Ridge Subsection of the American Society of Mechanical Engineers will meet tomorrow, Thursday, January 18. The meeting will be held at the Elk's Club, Arkansas Avenue.

Featured speaker will be Foster D. Arnett, president Tennessee Bar Association, who will speak on "Engineers and the Law." Marcus Crotts, vice president of the Dixie Region will be a special guest.

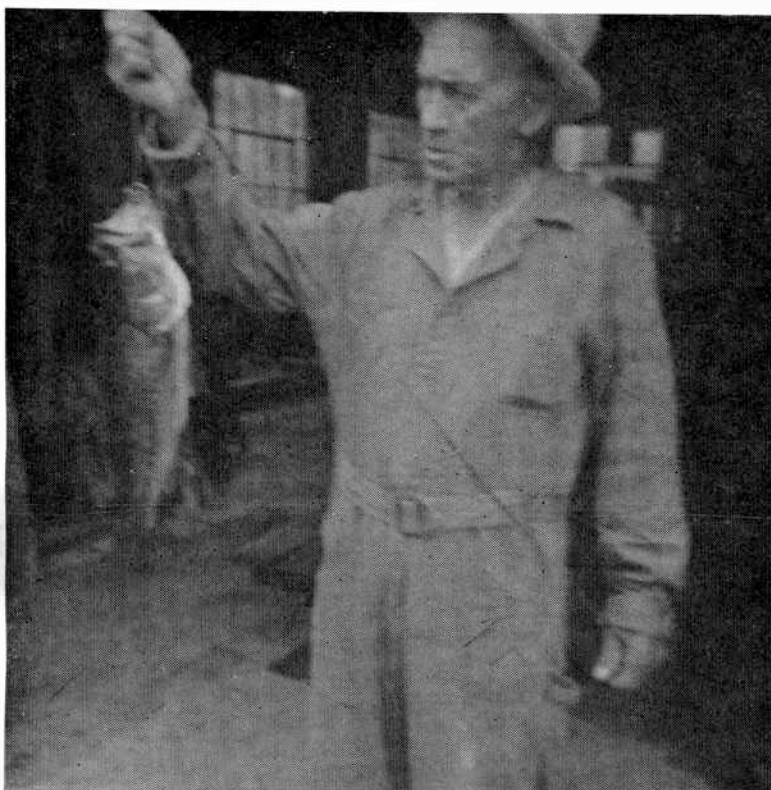
The program begins with a social hour at 7 p.m., with the program beginning at 8.

All members and interested parties are cordially invited to tomorrow's meeting.



ROBERT W. CAGLE II was almost the first one born January 1 at Fort Sanders Hospital. He entered the world at 2:30 a.m., the son of Mr. and Mrs. Robert W. Cagle Jr. His grand-father R. N. Stewart, is in Reproduction; and his great grand-father will be remembered as Shorty Stewart, Receiving, a Y-12 retiree.





**R. O. MILLER, WHO RETIRED LAST NOVEMBER** a year ago, shows fellow Y-12ers a tip on retirement. Miller, who left Buildings, Grounds and Maintenance Shops in November, 1966, lives at Caryville, and spends as much time as possible on nearby Norris Lake.

## Beavers Down Volleyball Hawks

The Carbide Volleyballers hit the courts again in Thursday's league encounter and four of the six scheduled matches resulted in "goose-egg" wins. Sweeping the boards by four point to zero wins over their opposition were the league leading Beavers who clobbered the K-25 Hawks 15-7, 15-6, 15-5, and 15-1. The second place Ecobums took the Neophytes by 15-0, 15-1, 15-6, and 15-1. Third place Old Men overwhelmed the Naughts 15-6, 15-8, 15-2, and 15-6. Y-12's Mountaineers "shut-off" the K-25 Gas House Gang with scores of 15-1, 15-7, 15-9, and 15-12.

Fighting each other hard and splitting two points each were the Set-Ups and Dirty Half Dozen. The Set-Ups took games one and four, 15-10 and 15-13, while the Dirty Half Dozen took games two and three by 15-3 and 15-12. In the other league match, ORNL's Charley Browns took three from K-25's Mix-Ups by scores of 16-14, 15-12, and 15-5. The Mix-Ups' one win was by a score of 15-3.

League standings follow:

Team	W	L
Beavers, Y-12	23	1
Ecobums, ORNL	21	3
Old Men, ORNL	19	5
Dirty Half Dozen, ORNL	18	6
Set-Ups, ORNL	16	8
K-25 Hawks	10	14
Naughts, ORNL	10	14
Mountaineers, Y-12	10	14
Neophytes, Y-12	5	19
K-25 Mix-Ups	5	19
Charley Browns, ORNL	5	19
K-25 Gas House Gang	2	22

## 1968 Fishing Rodeo Entry Blanks Available

The Recreation Department announces the availability of entry forms for the 1968 Fishing Annual Contest.

Blanks are available in Recreation, Building 9704-2 . . . or at the PSS Office, Building 9706-2, for shift workers.

Or, give Recreation a phone call, extension 3-7109, and they'll be happy to mail you some.

As previously stated, the muskellunge is one there this year! They are not retroactive . . . or ex-post-facto, however. You have to catch one in 1968, attach a picture, and submit it on a 1968 form!

## Recreation



**Monday, January 22**

**BOWLING:** C League, 5:45 p.m., Ark Lanes.

**TABLE TENNIS:** 7 p.m. Oak Ridge Wildcat's Den.

**PHYSICAL FITNESS:** (For Women) 7:30 p.m. Oak Ridge High School Girls' Gym.

**BASKETBALL:** Beginning 6:30 p.m. Oak Ridge High School Gym. Bat Boys vs. K-25 Falcons; Sharp Shots vs. Y-12 Atoms; Combustion vs. Health Physics.

**Tuesday, January 23**

**PHYSICAL FITNESS:** 7:30 p.m. Oak Ridge High School Gym.

**Wednesday, January 24**

**BASKETBALL:** Beginning 6:30 p.m., Oak Ridge High School Gym. Radioisotopes vs. K-25 Eagles; Bombers vs. K-25 Falcons; T K's vs. Y-12 Chargers.

**BOWLING:** 8 p.m. Mixed League, Ark Lanes.

**Thursday, January 25**

**BADMINTON:** Informal Play, Employees and Spouses, 7:30 p.m., Jefferson Junior High School Gym.

**BOWLING:** Classic League, 5:45 p.m., Ark Lanes.

**VOLLEYBALL:** Beginning 6:30 p.m., Oak Ridge High School Gym. Court A: Beavers vs. K-25 Gas House Gang; Set-Ups vs. Mountaineers; Ecobums vs. Naughts. Court B: K-25 Hawks; Dirty Half-Dozen vs. Old Men; Neophytes vs. Charley Browns.

## Rollers Top Team In Mixed Alleys

The Rollers took undisputed possession of the top spot in the Mixed League by taking three from McSprays' keggers. Other three point wins found the Hits and Misses "outhitting" the Goofers. The only four point "goose-egg" win of the evening found the Twisters slugging the Roses 'N Thorns. The second place Mustangs shared equally with their opposition, the Alley Cats, by taking and "being took" for two.

Individual honors went to Chris Mooney, one of the male members, Alley Cats, who had a

## ORNL Teams Vie In Basketball

The Carbide Basketballers got in their first full week of league play since mid-December.

Monday's action started at 6:30 p.m. with the Radioisotopes emerging victorious over the Sharp Shots by 35-26. This was a low scoring contest the "Iso-topes" taking over the lead in the second quarter and holding on. High scorers for the "Iso-topes" were Jim Gibson and Frank O'Donnell who had eight points each. For the losers, Ed Bailiff scored six and Bob McCulley had five.

The real close defensive games of the evening took place at 7:30 p.m. when the Bombers barely squeezed by the Eagles with a five point win, 39-34. The Bombers' Bud Lewis led all scorers with 20 points while teammate Herman Thomas had eight. For the losing Eagles, Larry McDonald led with nine points while Bill Kirksey and Dick Boughner had seven each. The Monday evening final action at 8:30 p.m. resulted in league leading Health Physics stopping the Chargers, 54-35. They took the lead slowly and kept it. Their high point men were Jim Atherton, who led with 14, and John Murphy with 12. For the losers, Ray Lefler, who led all scorers, with 19 points and Don Ferree had six.

In Wednesday night's action, Combustion completely overpowered the Bat Boys, 55-20. High point men for the winners were Jim McCall with 15 and Curtis McGinnis with 13. For the losers, Romeo Greene had 10 and Doug Sparks had five. In the second encounter of the evening ORNL's TK's downed the Y-12 Atoms, 55-46. For the winners it was Doug Raymer with 23 and Marvin Anderson with 12. For the losing Atoms, Jim Williams also had 23 and Tim Butler had 13. In final court action at 8:30 p.m., K-25 Falcons downed the Radioisotopes in a closely fought game, 46-31. For the winners, Churchill Moore had 17, with Ted Hatcher and John Hawthorne each having nine. Joe Crunk, Radioisotopes, was the game's high scorer with 18.

League standings follow:

Team	W	L
Health Physics, ORNL	6	0
Bombers, ORNL	6	0
Eagles, Y-12	6	2
TK's, ORNL	4	1
Chargers, Y-12	4	3
Combustion, ORNL	2	3
Radioisotopes, ORNL	2	4
K-25 Falcons	2	4
Sharp Shots, ORNL	1	5
Atoms, Y-12	0	5
Bat Boys, Y-12	0	6

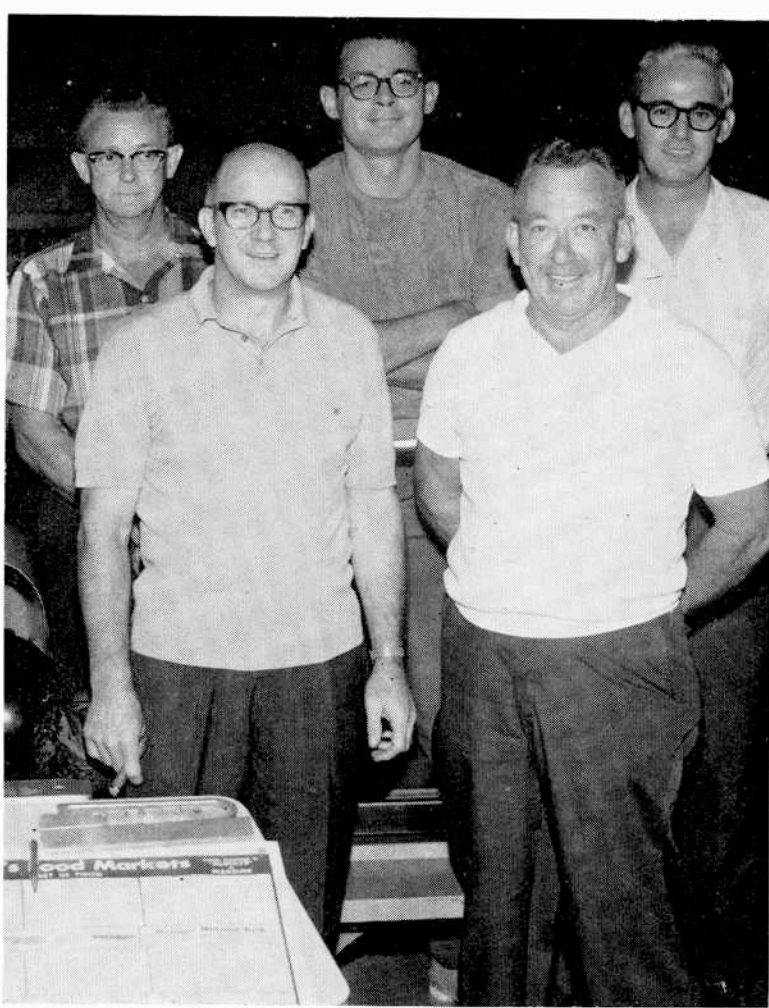
scratch single of 197 and handicap of 222. He had a scratch series of 543 and 618 handicap. For the women, Lou Sahr, Twisters, had a scratch single of 176 and a 470 series likewise. Handicap honors went to Dessie Worley with a 222 single and 588 series. Team-wise, the "top spot" Rollers took scratch honors with a 692 single and 1619 series. Handicap honors split as the Hits and Misses took high single with 811, and the Twisters took series high with 2298.

League standings follow:

Team	W	L
Rollers	10	2
Mustangs	9	3
Twisters	8	4
Hits & Misses	7	5
Roses 'N Thorns	4	8
McSprays	4	8
Goofers	3	9
Alley Cats	3	9

## POISON PLANTS

The U. S. Public Health Service reports that about 12,000 children every year ingest potentially poisonous plants. Many of these plants are so common and seemingly innocuous that their toxic qualities are not suspected. Learn these potential killers.



**THE SPLINTERS OFTEN SPELL** bad news for opponents in the Classic Bowling League. In the front row, from left, are Elmer Johnson and Frank Thurman. In the rear are R. G. Marljar, George Reece and M. C. Bays.

## Rounders Grab Early C Lead

The Rounders, not content with the season's first half crown, returned last week to C League alleys, to swamp the King Pins for four points. Taking three it was the HiLifers over the Rodders, the Fireballs past the Invalids, the Badgers by the Rollmasters and the Sunflowers sailing past the Big Five. The Royal Flush and Parbusters shared two.

H. D. Whitehead, Badgers, scooped singles' honors, 229 scratch, 265 handicap. Jack Lovegrove, HiLifers, rolled a 602 scratch, 692 handicap series.

The Rounders took singles honors, 930 scratch, 1066 handicap. Their scratch series of 2557 was high also. The HiLifers put a 3001 handicap series up there.

League standings follow:

Team	W	L
Rounders	4	0
HiLifers	3	1
Fireballs	3	1
Badgers	3	1
Sunflowers	3	1
Royal Flush	2	2
Parbusters	2	2
Rodders	1	3
Invalids	1	3
Rollmasters	1	3
Big Five	1	3
King Pins	0	4

## Swim Gymnasts To Appear Monday

Vannie Edwards, coach of the Women's Gymnastics Team at the Tokyo Olympics, and Manager of the Team for the 1968 Mexico City Games, will present the Centenary College, Louisiana, Gym Team in a demonstration at the Oak Ridge High School girls' Gym (round building) Monday, January 22 at 7:30 p.m.

This will be an opportunity to view outstanding gymnasts perform in olympic events. Most of the girls have participated in national and international competitions. Edwards, considered No. 1 coach in the country, presents an instructive commentary before and during the performance. There will be an admission

## Rebels Jump In Classic Race

The Rebels rose from sixth place in last week's standings to take over first place in the Classic League. This was accomplished by "plucking" the Eagles, four to zero. Two other four point winners, in Thursday night's kegler session, found the Markers marking the Eightballs and easing into the number two spot, and the Rippers turned clawing the Tigers. Three point decisions went to the All Stars over the Smelters, the Playboys rolled by the Splinters, the Has Beens overturned the Screwballs, and the Cubs "swung" the Swingsters. Last week's league leading Bumpers could only claim "even-Stephen" with the Pinbusters by splitting two and two.

Individual-wise, it was Jack Spears, Rebels, who "hogged" the boards all the way. He had a scratch single of 243, a handicap single of 259, a 626 scratch series and 674 handicap. Team-wise, the Bumpers took scratch honors with an 894 single and a 2620 series. Handicap honors went to the Markers with a high single of 1024, and the Rippers capped the series with a big 3003.

Team	W	L
Rebels	9	3
Markers	8½	3½
Bumpers	8	4
All Stars	8	4
Playboys	8	4
Rippers	7½	4½
Swingsters	7	5
Has Beens	7	5
Splinters	6	6
Pinbusters	5	7
Tigers	4½	7½
Eagles	4	8
Eightballs	4	8
Cubs	4	8
Smelters	3	9
Screwballs	2½	9½

charge of \$1 for adults, 50¢ for students.

This demonstration on January 22 will take the place of the Carbide Women's Physical Fitness Class usually held in the girls' gym Monday nights from 7:30-9:30 p.m.; however, participants in this class should be especially interested in viewing the performance. Regular classes will resume the following week.





A COMMITTEE REPRESENTING EVERY DIVISION in Y-12 selected the 1967 awards for safety performance for Y-12ers. The group is seen above before the list was narrowed to 23. The cash value of 1967 safety awards is approximately \$9.

## Smith, Wyatt And Coveyou Leaders In Table Tennis

Loyd Wyatt moved up in the X Table Tennis League last week by sweeping wins over Jerry Keyes and Roy Huddleston. Herve Derrien downed Herb Mook for two, as did Bill Foutz.

X League standings:

Player	W	L
Geoffrey Newman	12	0
Loyd Wyatt	11	0
Herve Derrien	7	5
Bill Motley	6	6
Roy Huddleston	6	9
Bill Foutz	5	10
Herb Mook	5	10
Jerry Keyes	2	10

Bob Coveyou defeated Paul Kasten for three games in the Y League. Gordon Brewer defeated A. Norris . . . and Al took three from Kasten.

Y League standings:

Bob Coveyou	13	2
Gordon Brewer	12	3
Ed Gambill	4	5
Paul Kasten	5	7
Al Norris	9	9
Fred Wetzel	3	6
Art Weinberger	2	4
Rokuro Oyamada	1	5
Francois Kertesz	2	10
Bob Brown	0	0

Bob Smith defeated A. B. Meservey for three, Bill Hackett for three, and Joe Lewin for two, to lead the Z League. Lewin downed Meservey for three . . . and Meservey clicked over Dave Allen.

Z League standings:

Bob Smith	14	1
Joe Lewin	9	3
Bill Hackett	7	5
Dave Allen	3	6
A. B. Meservey	3	6
Jim Hallau	0	3
Tudor Boyd	0	3
Winfred Collins	0	9

## Additional Fly-Ash Land Is Purchased

A 166-acre hollow was recently purchased at the South Charleston, West Virginia, plant for additional fly-ash disposal. Purchase of the property, adjacent to the Technical Center, was made necessary by Union Carbide's increasingly tight controls on emissions into the atmosphere at the South Charleston plant. Improved fly-ash collection methods at the plant have created the need for a new, large disposal area several years ahead of schedule. The amount collected will continue to increase over the next few years as new, more efficient equipment continues to replace the older devices.

No investment pays better dividends than safety.

## Most Babies Arrive At A Reasonable Hour

All babies don't arrive in the middle of the night . . . it may just seem like that. A recent study, which analyzed more than 4,000 natural births over a six month period, showed that the infant is most likely to make his first appearance between breakfast and lunch; least likely during the prime-time evening television hours.

The most frequent three-hour period for natural births (excluding induced labor and cesarean sections) was from 9 a.m. to noon, when over 600, or 15 per cent of the babies arrived.

### MANY 'OTHER GUYS'

Motorists are not the only ones to beware of the highways. There are pedestrians, some of whom will eventually jay-walk . . . children hidden by parked cars often dart out into the street; cyclists sometimes ride as if they were in an empty field . . . and animals give little heed to traffic, warns the National Safety Council.

Plug security leaks.

## Y-12ers To Select 1967 Safety Award

Continued from Page 1  
surroundings with other employees interested in their own, as well as other's, welfare.

Let's strive to make 1968 one of the best years the plant has ever experienced in its illustrious safety history!

The Safety Department has announced the remainder of the schedule for the display of safety awards, which is as follows:

Bear Creek Portal: Thursday and Friday, January 18-19, 1968 (Awards will be removed before 2:00 p.m., Friday, January 19)

Central Portal: Saturday, Sunday, and Monday, January 20, 21, and 22, 1968

The awards have been on display at the East, West, and North Portals since Thursday of last week through today. So, go have a look and pick your favorite award to be given for 1967 and in so doing, pledge your time, efforts, and talents for a better and safer 1968.

### OFF AND RUNNING

More marriages are proposed in autos in America than in any other country in the world, which must account for something.



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## How Man Will Live In 21st Century Topic Of New Display At Union Carbide Building

A 'sneak preview' of how man will live and work in the 21st century is on exhibit to the public in the exhibition halls of the Union Carbide Building, Park Avenue at 47th Street. The exhibit opened yesterday, January 16, and will be shown through February 10.

Under the theme of "The 21st Century: A Look Into The Future," some 16 companies have joined Union Carbide Corporation in pooling examples of their scientific wizardry to show the shape of things to come in the world of tomorrow.

As world leaders in research, development and the application of technology, the participating companies will display the evidence of their contributions to the scientific revolution as well as to the social, economic and industrial progress of the world. The exhibits will reflect scientific miracles of the present as well as those that will be brought to fruition in the not-too-distant future. Included will be technologies covering space, medicine, transportation, education, oceanography, and home life.

The public will have its first view in New York of a full-scale working model of the Apollo Lunar Module which will land two astronauts and scientific equipment for a 24-hour visit to the moon and then return them safely to earth. The module was designed by the Grumman Aircraft Engineering Corporation.

Another exhibit will show how men live and work for extended periods of time beneath the ocean. Ocean Systems, Inc., an affiliate of Union Carbide Corporation and the General Precision Equip-

ment Corporation, will present its version of a submergible, portable, inflatable dwelling.

The promise of speedy, safe auto transportation both within the core of the city and on the open road will be demonstrated by the widely publicized StaRR-car developed by Alden Self-Transit Systems. It is a unique vehicle that can be driven through city traffic on battery power and transferred to automatic guideways for high speed travel.

The exhibit was inspired by CBS News's "The 21st Century" television series, which Carbide sponsors in the public interest. Many of the items seen in the exhibit have been or will be covered by the series, which will start its 1968 season Sunday, January 28, 6 p.m. in color on the CBS Television Network. The program is aired locally over WBIR-TV, Channel 10.

During the run of the exhibit, Union Carbide will present a series of live demonstrations on cyrogenics, synthetics and battery power. A program of motion pictures on scientific themes will be presented at regular intervals in the company's auditorium.

Other organizations participating in the exhibit include: Aerojet General Corporation; American Telephone and Telegraph; Avco Corporation; Bell Aerosystems Company; Boeing Company; Edmund Scientific Company; Ford Motor Company; Fyrepel Products, Inc.; General Electric Company; General Motors Corporation; Grason-Stadler Company; Japanese National Railways; Litton Industries; and Sperry Rand Corporation.

## How Long Should You Retain Income Tax Files?

How long should you keep income tax returns? The state of limitations says three years after the return was due or was actually filed, whichever was later. This means you may now safely discard most of your tax records of 1964.

However, checks or other records relating to the cost of your house, securities, or other assets should be permanently retained until three years after the year of the sale. Keep all records of major expenditure on your home and property since they may affect the total cost basis and possible tax gain or loss.

## Fire Deaths Increase In 1967 Over 1966 Count

Fire killed approximately 12,200 people in the U.S.A. during 1967, the National Fire Protection Association reports. This is an increase of 100 over 1966's figures, or an increase of approximately .8 per cent. Per capita fire fatalities declined slightly, however, due to the population increase.



A TOTAL OF 68 students from 14 vocational schools in Tennessee recently completed a 14-week course conducted by the Training and Technology project. Above the audience hears Ben A. Hirst Jr., director of Tennessee vocational-technical schools; and George Oliphant Jr., Electronics supervisor in Y-12. The "coupled training program" is the first of its kind in the TAT project. The students, all of whom had a year of vocational training in their area schools before entering the TAT program in September, will return to their schools for the completion of their training.